# Visualization After Dark: Snow, Ice, and Olympic Gold

**Thursday, February 20, 2014 – 7p-9p**

**Cyberinfrastructure Building Atrium**



Please join the UITS Advanced Visualization Lab on **Thursday, February 20 from 7pm to 9pm** as we present a variety of winter-themed visualizations on IU's Science on a Sphere (SOS) and ultra-high resolution IQ-wall. The featured visualizations will map the history of the Winter Olympics from 1924 to the present. You'll see the Olympics as you've never seen them before and learn how IU's advanced visualization displays and techniques can benefit your data presentation and analysis needs.

In addition, you'll be able to see visualizations from the international SOS community that map the evolution of global sea ice over past decades and others that represent the global temperature and precipitation anomalies we have endured this winter. Still other data sets will present long-term global weather projections for this spring. And with spring rains not too far off, we'll have the local premiere of NASA's "Water Falls" short film that highlights joint US-Japan efforts to track and understand global precipitation.

The Olympic visualizations were created by IU students and staff to prototype workflows around political, social, and economic data within the relatable and timely context of the Winter Olympic Games. These maps represent historic participation by country and gender, historic medal counts with the evolution of Olympic events, and various ways to scale and map participation and medal data based on population and economic factors. These workflows can be easily adapted to a wide range of region-based and temporal data from IU researchers.

Indiana University is one of a select group of higher education institutions to be part of National Oceanic and Atmospheric Administration's SOS community. SOS is a six-foot sphere illuminated by high-definition projectors and capable of displaying a wide range of data, including oceanographic, atmospheric, astronomical, political, and economic data. IU's SOS is installed in the atrium of the Cyberinfrastructure Building (CIB) and is available for use by IU faculty, students, and staff.

For more information, please visit http://rt.uits.iu.edu/visualization/avl/sos/.

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